ABSTRACT OF THE DISCLOSURE

A switching system for realizing integration of existing communication networks or interconnections thereof, and a switching control method. After a call is originated from an ATM communication network 101 to an STM communication network 102, an ATMIF 20 that has received a connection request signal (control signal) converts the control signal into a format of an ATM cell 1000, adds a header destined to one of SIG 50-1 to n for processing control signals, and then output the same. An ATMSW 10 performs self-routing based on header information. The selected one of the SIG 50-1 to n performs conversion for the ATM cell 1000 by a specified protocol, makes an ATM cell 1100 having a header destined to one of CLP 630-1 to k for processing control signals, and then output the same. Upon having received the ATM cell 1100, the CLP 630 links up with other processors to perform call connection control, functions having been dispersed among the other processors.

Figure 3